Listing of Claims:

We claim:

(Currently Amended) A network backplane interface for a local network, comprising:
 (a) a circuit board;

- (b) a plurality of sockets connected to the circuit board for receiving plug-in network devices;
- (c) <u>unified</u> power lines on the circuit board <u>connected with [[to]]</u> one or more sockets for powering a plug-in network device in each <u>of the one or more [[socket]] sockets</u>, the <u>unified</u> <u>power lines comprising a single power line connected with all of the one or more sockets</u>;
- (d) <u>unified</u> communication lines on the circuit board to one or more of the plurality of sockets for communication with a plug-in network when placed in each socket, the <u>unified</u> communication lines comprising a single communication line connected with all of the plurality of sockets;
- (e) a housing for the circuit board, the unified power lines and the unified communication lines, including openings for exposing [[said]] the plurality of sockets;
- (f) a network interface for communication between the plug-in network and an external network, and
- (g) a configuration circuit on the circuit board, wherein the configuration circuit is operable to receive the configuration associated with a plug-in network device from the plug-in network device and is operable to communicate with a plug-in network device in a socket to identify the plug-in network device and configure the plug-in network device, and the configuration circuit includes comprising:
- [[an]] a instruction memory operable to store configuration information for a plurality of predetermined plug-in network device types and to store configuration instructions for configuring one or more different plug-in network devices to perform one or more corresponding desired functions[[,]]; and

a <u>configuration</u> processor operable to execute the configuration instructions to communicate with a plug-in <u>network</u> device in a socket, and configure the <u>plug-in network</u> device based on the configuration information,

wherein the configuration circuit includes a configuration memory operable to store configuration information for a plurality of predetermined plug in device types, and the configuration circuit is operable to receive the configuration associated with a device from the device, wherein executing the configuration instructions configures the device based on the configuration information.

- (Currently Amended) The backplane of claim 1, further comprising a communication controller which allows communication between the plug-in network devices.
- 3. (Currently Amended) The backplane of claim 1, wherein the configuration circuit is further operable to generate a user interface based on the component information, to cause display of the user interface, to receive a configuration command for the <u>plug-in network</u> device via the user interface, and to configure the <u>plug-in network</u> device based on the configuration command.
- 4. (Previously Presented) The backplane of claim 1, wherein the desired functions comprise a modem function, a broadband access function, firewall security protection, a router function, a hub function, a switch function, a network-attached storage function, a printer server function, or a combination thereof.
- (Cancelled)
- (Cancelled)
- (Previously Presented) The backplane of claim 1, wherein the network interface comprises a multiple 100baseT Ethernet connector.

(Currently Amended) The backplane of claim 1, wherein the configuration circuit
includes an embedded configuration module to configure plug-in <u>network</u> devices in a
configuration session.

- (Currently Amended) The backplane of claim 8, wherein the configuration module configures all plug-in network devices in one configuration session.
- (Currently Amended) The backplane of claim 9, wherein the configuration module comprises a platform-independent configuration software.
- 11. (Currently Amended) The backplane of claim 9, wherein the configuration circuit provides a user interface for receiving user configuration commands to configure function of one or more plug-in <u>network</u> devices to perform a desired function, wherein the user interface is operable to configure the one or more plug-in network devices in one session.
- (Original) The backplane of claim 1, wherein at least one socket is dedicated to connection and communication with an external network.
- (Original) The backplane of claim 12, further including a switch for connecting a security module between said socket for external connection, and the local network.
- 14. (Original) The backplane of claim 13, further including a connection for bridging a security module between said socket for external connection, and the local network.
- 15. (Original) The backplane of claim 1, wherein a socket comprises a RJ-45 socket.
- 16. (Original) The backplane of claim 1, wherein a socket comprises a proprietary connector combining power and data connections.
- (Currently Amended) A network backplane interface for a local network, comprising:
 (a) a plurality of sockets for receiving plug-in network devices;

(b) <u>unified</u> power lines <u>connected with [[to]]</u> one or more sockets for powering a plug-in network device in each <u>of the one or more [[socket]] sockets, the unified power lines comprising</u> a single power line connected with all of the one or more sockets;

- (c) <u>unified</u> communication lines to each socket for communication with the plug-in network devices <u>when placed in each socket</u>, the <u>unified communication lines comprising a</u> single communication line connected with all of the plurality of sockets; and
- (d) a configuration module for configuration of one or more plug-in <u>network</u> devices, wherein the configuration module communicates with each plug-in <u>network</u> device in each socket to identify the plug-in <u>network</u> device and configure the plug-in <u>network</u> device for network communication
- 18. (Currently Amended) The backplane of claim 17, wherein the configuration module comprises:
- (1) a memory for storing configuration instructions for configuring one or more different plug-in network devices[[,1] ; and
- (2) a configuration processor for executing the configuration instructions to communicate with a plug-in <u>network</u> device in a socket, and configure that <u>plug-in network</u> device for network communication.
- (Currently Amended) The backplane of claim 17, wherein the configuration module includes a configuration memory having configuration information for a plurality of predetermined plug-in network device types.
- (Currently Amended) The backplane of claim 19, wherein the configuration module
 includes extended configuration memory for storing configuration information for additional
 plug-in network device types..
- (Currently Amended) The backplane of claim 17, wherein the configuration module allows configuring plug-in network devices in a configuration session for network communication among the plug-in network devices.

 (Currently Amended) The backplane of claim 21, wherein the configuration module configures all plug-in <u>network</u> devices in one configuration session.

- (Original) The backplane of claim 22, wherein the configuration module comprises a platform-independent configuration software.
- 24. (Currently Amended) The backplane of claim 22, wherein the configuration module provides a user interface for receiving user configuration commands to configure function of one or more plug-in <u>network</u> devices to perform a desired function, wherein the user interface is operable to configure the one or more plug-in network devices in one session.
- (Currently Amended) A network interface module for a local network, comprising:
 - (a) a circuit board having a plurality of sockets for receiving plug-in network devices;
- (b) <u>unified</u> power lines on the circuit board <u>connected with [[to]]</u> one or more sockets for powering a plug-in network device in each <u>of the one or more [[socket]] sockets</u>, the <u>unified</u> power lines comprising a single power line connected with all of the one or more sockets
- (c) a switch on the circuit board connected to one or more with each of the <u>plurality of</u> sockets allowing communication with the plug-in network devices when placed in one or more of the sockets; and
- (d) a configuration module on the circuit board for functional configuration of one or more plug-in <u>network</u> devices when placed in one or more of the sockets, wherein the configuration module communicates with each plug-in <u>network</u> device in each socket to identify the plug-in <u>network</u> device to perform selected functions; and
- (e) a network interface for communication between the plug-in network and an external network.
- 26. (Currently Amended) The network interface module of claim 25, wherein the configuration module comprises:
- (1) a memory for storing configuration instructions for configuring one or more different plug-in network devices[[,]]; and

(2) a configuration processor for executing the configuration instructions to communicate with a plug-in <u>network</u> device in a socket, and configure that <u>plug-in network</u> device for network communication.

- (Currently Amended) The network interface module of claim 25, wherein the
 configuration module includes a configuration memory having configuration information for a
 plurality of predetermined plug-in network device types.
- (Currently Amended) The network interface module of claim 27, wherein the configuration module includes extended configuration memory for storing configuration information for additional plug-in network device types.
- (Currently Amended) The network interface module of claim 25, wherein the
 configuration module allows configuring plug-in network devices in a configuration session for
 network communication among the plug-in network devices.
- (Currently Amended) The network interface module of claim 29, wherein the configuration module configures all plug-in <u>network</u> devices in one configuration session.
- (Original) The network interface module of claim 30, wherein the configuration module comprises a platform-independent configuration software.
- 32. (Currently Amended) The network interface module of claim 30, wherein the configuration module provides a user interface for receiving user configuration commands to configure function of one or more plug-in <u>network</u> devices to perform a desired function, wherein the user interface is operable to configure the one or more plug-in <u>network</u> devices in one session.
- (Previously Presented) The network interface module of claim 25 further comprising a
 housing for circuit board sockets, the housing including slots for exposing said sockets.

 (Previously Presented) The network interface module of claim 33 wherein the circuit board comprises a printed circuit board.

- 35. (Currently Amended) The backplane of claim 8, wherein the configuration module provides a common user interface for receiving user configuration commands to configure each plug-in network device from the common user interface.
- 36. (Previously Presented) The backplane of claim 35 wherein the common user interface further receives user configuration commands to configure the backplane.
- 37. (Previously Presented) The backplane of claim 36 wherein the common user interface is platform and operating system independent, and utilizes a common communication protocol between the plug-ins and the configuration module.
- (Previously Presented) The backplane of claim 36 wherein the common user interface comprises a graphical user interface.
- (Currently Amended) The backplane of claim 36 wherein the configuration circuit is accessible via a web browser to configure the plug-in <u>network</u> devices.
- 40. (Currently Amended) The backplane of claim 4 wherein the configuration circuit further includes embedded configuration instructions for configuring one or more different plug-in network devices, such that the configuration circuit uses identity of each plug-in network device to obtain corresponding configuration instructions for configuring the different plug-in network devices.
- 41. (Currently Amended) The backplane of claim 4 wherein if a plug-in <u>network</u> device is not recognized by the configuration circuit, then the configuration circuit obtains configuration instructions for the unrecognized <u>plug-in network</u> device from a source external to the configuration circuit.

42. (Currently Amended) The backplane of claim 41 wherein if a plug-in <u>network</u> device is not recognized by the configuration circuit, the configuration circuit obtains configuration instructions for the unrecognized <u>plug-in network</u> device from a user.

43. (Currently Amended) The backplane of claim 41 wherein if a plug-in network device is not recognized by the configuration circuit, then the configuration circuit obtains configuration instructions for the unrecognized <u>plug-in network</u> device from the unrecognized <u>plug-in network</u> device itself.